ABSTRACT OF THE DISCLOSURE

A method and system for transmitting voice communication from a plurality of end points, where the voice communication is packetized, to an access point. The end points and the access point are linked by a point-to-multipoint network, configured according to OSI layer 2, that includes a voice-over-IP gateway. The gateway negotiates end point aliases with the access point. The gateway then bundles the voice payloads of the packets received from the end points, along with the aliases, into a superpacket. The superpacket header includes a type field that indicates that the superpacket is not a prior art packet. The gateway then transmits the superpacket to the access point. The access point unbundles the superpacket for further transmission.